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RESEARCH INTERESTS	Ocean Dynamics and Climate: meridional overturning circulation, deep stratification, geostrophic eddies, topographic internal waves, energy dissipation and mixing. <i>Tools:</i> theory, process-oriented numerical simulations, observations.
EDUCATION	Ph.D. , Physical Oceanography, 2008, Massachusetts Institute of Technology, Cambridge, MA USA and Woods Hole Oceanographic Institution, Woods Hole, MA USA Thesis Advisor: Prof. Raffaele Ferrari Thesis Title: “Radiation and dissipation of internal waves generated by geostrophic motions impinging on small-scale topography”
	M.S. and B.S. , Applied Physics and Mathematics, 2002, Moscow Institute of Physics and Technology, Moscow, Russia
RESEARCH EXPERIENCE	Associate Research Scholar , Princeton University, 2011 - present Postdoctoral Research Associate , Princeton University, 2009-2010 Research Assistant , Massachusetts Institute of Technology, 2002-2008
TEACHING EXPERIENCE	Invited Lecturer , Princeton University, Spring 2010, 2011 Subject: AOS572 Atmospheric and Oceanic Wave Dynamics Instructor: Prof. Sonya Legg
	Teaching Assistant , Princeton University, Spring 2010 Subject: AOS573 Dynamical Oceanography Instructor: Prof. Geoffrey Vallis
	Teaching Assistant , Massachusetts Institute of Technology, Fall 2007 Subject: 12.803 Quasi-Balanced Motions in the Ocean and Atmosphere Instructor: Prof. Raffaele Ferrari

PUBLICATIONS Nikurashin, M., and R. Ferrari, 2011: Global energy conversion rate from geostrophic flows into internal lee waves in the deep ocean, *Geophys. Res. Lett.*, 38, L08610, doi:[10.1029/2011GL046576](https://doi.org/10.1029/2011GL046576).

Nikurashin, M., and G. Vallis, 2011: A theory of deep stratification and overturning circulation in the ocean, *Journal of Physical Oceanography*, 41(3), 485-502.

Nikurashin, M., and S. Legg, 2011: A mechanism for local dissipation of internal tides generated at rough topography, *Journal of Physical Oceanography*, 41(2), 378-395.

Ferrari, R., and M. Nikurashin, 2010: Suppression of eddy diffusivity across jets in the Southern Ocean, *Journal of Physical Oceanography*, 40, 1501-1519

Griffies, S. M., Adcroft, A. J., Banks, H., Böning, C. W., Chassignet, E. P., Danabasoglu, G., Danilov, S., Deleersnijder, E., Drange, H., England, M., Fox-Kemper, B., Gerdes, R., Gnanadesikan, A., Greatbatch, R., J., Hallberg, R. W., Hanert, E., Harrison, M. J., Legg, S. A., Little, C. M., Madec, G., Marsland, S., Nikurashin, M., Pirani, A., Simmons, H. L., Schröter, J., Samuels, B. L., Treguier, A. M., Toggweiler, J. R., Tsujino, H., Vallis, G. K., and White, L., 2010: Problems and Prospects in Large-Scale Ocean Circulation Models, *Proceedings of the OceanObs'2009 Conference: Sustained Ocean Observations and Information for Society*, Venice, Italy, 21-25 September 2009, Volume 2, Eds. J. Hall and D.E. Harrison and D. Stammer, ESA Publication WPP-306. (non-refereed)

Nikurashin, M., and R. Ferrari, 2010: Radiation and dissipation of internal waves generated by geostrophic motions impinging on small-scale topography: Application to the Southern Ocean. *Journal of Physical Oceanography*, 40, 2025-2042

Nikurashin, M., and R. Ferrari, 2010: Radiation and dissipation of internal waves generated by geostrophic motions impinging on small-scale topography: Theory. *Journal of Physical Oceanography*, 40, 1055-1074

MANUSCRIPTS Nikurashin, M., and G. Vallis, 2012: A theory of the interhemispheric meridional overturning circulation, *Journal of Physical Oceanography*, in preparation.

CONFERENCES	AMS Atmospheric and Oceanic Fluid Dynamics, 2011, Spokane, WA USA EGU General Assembly, 2011, Vienna, Austria AGU Ocean Sciences, 2010, Portland, OR USA Ocean Climate Model Development, 2009, GFDL, Princeton, NJ USA IAMAS-IAPSO-IACS Joint Assembly, 2009, Montreal, Canada AGU Ocean Sciences, 2008, Orlando, FL USA AGU Fall Meeting, 2006, San Francisco, CA USA AGU Ocean Sciences, 2006, Honolulu, HI USA IAPSO-IABO Joint Assembly, 2001, Mar del Plata, Argentina
REFEREE SERVICE	Deep-Sea Research I, Journal of Climate, Journal of Marine Research, Journal of Physical Oceanography, Nature Geosciences, Ocean Modelling, Physical Review Letters
FIELD EXPERIENCE	Drake Passage and Western Antarctic Peninsula Shelf , 2006. XBT and CTD data collection and analysis. <i>RV L.M. Gould</i> . Chief Scientists: Rudy Scheltema and Ken Halanych MIT/WHOI Joint Program orientation cruise , 2002. Sea Educational Association. <i>SSV Corwith Cramer</i> . Chief Scientist: Gary Jaroslow